

AMENDMENT TO THE ABSTRACT:

A method of transmit power adjustment in multitone communication systems. For a power spectral density (PSD) $P(i)$ expressed in terms of dBm/[]/Hz where i indexes subchannels of the multitone systems and for each subchannel i changing $P(i)$ to the minimum of $P(i)$ and $P_{\max} - PCB$ where P_{\max} is the maximum of the $P(i)$ and PCB is a Power CutBack level in terms of dB is performed by changing a power spectral density for each subchannel k the power spectral density to the minimum of the power spectral density and a maximum of the power spectral density $REFPSD(k) = \min(NOMPSD(k), NOMPSD - PCB)$ where $REFPSD(k)$ is the transmitted PSD at tone k , $NOMPSD(k)$ is the maximum transmit PSD allowed at each tone k , $NOMPSD$ is the maximum value of $NOMPSD(k)$ over all k and PCB is a power cutback level.